

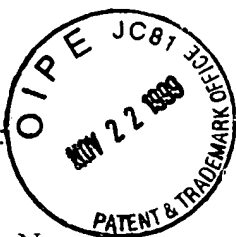
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Yi-Qun Li, Robert C. O'Handley, Gerald F. Dionne,  
and Chun Zhang

Application No.: 09/358,177 Group: 2857

Filed: July 20, 1999 Examiner: Unknown

For: PASSIVE SOLID-STATE MAGNETIC FIELD SENSORS  
AND APPLICATIONS THEREFOR



**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231

on 11/18/99 Date Claudia Fagan Signature

CLAUDIA FAGAN  
Typed or printed name of person signing certificate

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TECHNOLOGY CENTER 2800

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith is a Preliminary Amendment for filing in the above-identified application.

[ X ] Small entity status of this application under 37 C.F.R. 1.9 and 1.27 has been established by a verified statement previously submitted.

[ ] A verified statement to establish small entity status under 37 C.F.R. 1.9 and 1.27 is enclosed.

The fee has been calculated as shown below:

(COL. 1)	(COL. 2)	(COL. 3)
CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA
TOTAL 22	MINUS * 20	2
INDEP 13	MINUS ** 6	7
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM		

SMALL ENTITY

RATE	ADDIT. FEE
X \$ 9	\$ 18
X \$39	\$ 273
+ \$130	\$

OTHER THAN SMALL ENTITY

RATE	ADDIT. FEE
X \$18	\$
X \$78	\$
+ \$260	\$

OR

TOTAL = \$ 291

TOTAL = \$ 0

\* not fewer than 20  
\*\* not fewer than 3

Please charge Deposit Account No. 08-0380 for the following fees:

<input type="checkbox"/>	Petition for [ ] month Extension of Time	\$	_____
<input type="checkbox"/>	Amendment Fee	\$	_____
<input type="checkbox"/>	Other Fees:		
	_____	\$	_____
	_____	\$	_____
	TOTAL:	\$	<u>0</u>

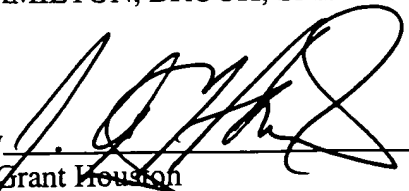
A check is enclosed in payment of the following fees:

<input type="checkbox"/>	Petition for [ ] month Extension of Time	\$	_____
<input checked="" type="checkbox"/>	Amendment Fee	\$	<u>291</u>
<input type="checkbox"/>	Other Fees:		
	_____	\$	_____
	_____	\$	_____
	TOTAL:	\$	<u>291</u>

☒ A general authorization is hereby granted to charge Deposit Account No. 08-0380 for any fees required under 37 C.F.R. 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

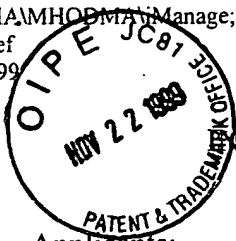
Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By   
J. Grant Houston  
Registration No.: 35,900  
Telephone: (781) 861-6240  
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Lexington, Massachusetts 02421-4799

Dated: 11/17/99



THE UNITED STATES PATENT AND TRADEMARK OFFICE

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on <u>11/18/99</u>	<u>Claudia Fagan</u>
Date	Signature
<u>Claudia Fagan</u>	
Typed or printed name of person signing certificate	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend Claim 7 as follows:

7. (Amended) A [magnetic random access memory] system as described in Claim 6, wherein the rotor is used as a flow speed detector. *what meant?*

[Please add the following new Claims 8-22 as follows:]

8. A magnetic field sensor comprising about one layer of magnetostrictive material that strains under the influence of a magnetic field and imparts stress to about one layer of piezoelectric material to produce a detectable voltage.

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